BRUHAT BENGALURU MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Improvements to Roads and Drains of Buddha Jyothi Layout and surrounding areas in Ward No.11, Byatarayanapura.

Estimated Cost : Rs. 30.00 Lakhs

Job Code: 011-23-000007

Head of Account : P-3726 Zonal Public Works - POW Works

Name of Agency: Sri .A. Kumar Reddy, No. 44 Kaveri nagara, A Block, Bangalore - 560 032.

Work order No: BBMP/EE/BTP/WO/141/2022-23 Dated: 03-03-2023.

	Measurements Recarded on :						
Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
1	Earth work Excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.						
	New Drain						
	Ananda Layout 4th Main Road						
	N/S	1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	9.10	1.00	1.00	9.10	
	S/S						
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	

339.10

Assistant Engineer
Kodigehalli
BBMP, Bang...

Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
		1	8.80	1.00	1.00	8.80	
	Culvert						
	13th Cross Sir MV Layout	1	4.80	1.40	1.00	6.72	
	2nd Main Dhanalakshmi Layout	1	6.60	1.60	1.00	10.56	
		Total Qty =				365.18	
		Qty Limited to Approved Qty =				361.60	Cum

Assistant Engineer
Ward No. 11, Byatarayanapura

A. K. Reddy

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sl No	Description of work	Mesurement No.	L	B	D	Qty.	Unit
	Measurements Recarded on :						
2	Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.						
	New Drain						
	Ananda Layout 4th Main Road						
	N/S	1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	9.10	1.00	0.15	1.36	
	S/S						
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	8.80	1.00	0.15	1.32	
	Culvert						
	13th Cross Sir MV Layout	1	4.80	1.30	0.15	0.93	
	2nd Main Dhanalakshmi Layout	1	6.60	1.50	0.15	1.48	
		Total Qty =				54.59	
		Qty Limited to Approved Qty =				53.70	Cum

12/7/23

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Engineer
Ward No. 11, Byatarayanapura

Assistant Executive Engineer
Kodigehalli Sub-Division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
	Measurements Recarded on :						
3	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)						
	New Drain						
	Raft						
	Ananda Layout 4th Main Road						
	N/S	1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	9.10	0.90	0.15	1.22	
	S/S						
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	8.80	0.90	0.15	1.18	
	Side Wall						
	Ananda Layout 4th Main Road						
	N/S	2	15.00	0.15	0.59	2.65	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.65	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.65	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.65	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.65	
		2	15.00	0.15	0.58	2.61	
		2	9.10	0.15	0.58	1.58	

77.33

18/09/21

Assistant Executive Engineer
Kodigehalli Sub Division, Bangalore

Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
	S/S						
		2	15.00	0.15	0.59	2.65	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.65	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.65	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.65	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.58	2.61	
		2	8.80	0.15	0.59	1.55	
	Culvert						
	Raft						
	13th Cross Sir MV Layout	1	4.80	1.30	0.20	1.24	
	2nd Main Dhanalakshmi Layout	1	6.60	1.50	0.20	1.98	
	Side Wall						
	13th Cross Sir MV Layout	2	4.80	0.30	0.60	1.73	
	2nd Main Dhanalakshmi Layout	2	6.60	0.30	0.60	2.38	
		Total Qty =				**115.07**	
		Qty Limited to Approved Qty =				**114.54**	Cum

37.74

Assistant Executive E
Kodigehalli Sub Di
BBMP, Bangal

Assistant Engineer
Ward No. 11, Byatarayanapura

A. K. G Daddy

Assistant Executive Engineer
Kodigehalli Sub-Division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
	Measurements Recarded on :						
4	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200						
	U Shape Drains	**No**	**L**	**Mtrs**	**Kg/m**	**Kgs**	
	Ananda Layout						
	4th Main N/S						
	10 mm dia	1163	2.00	2326.00	0.62	1442.12	
	8 mm dia	14	174.10	2437.40	0.39	950.59	
	Total					**2392.71**	
	S/S						
	10 mm dia	1161	2.00	2322.00	0.62	1439.64	
	8 mm dia	14	173.80	2433.20	0.39	948.95	
	Total					**2388.59**	
	RCC Drains Grant Total					**4781.29**	Kgs
	Culverts						
	13th Cross Sir MV Layout						
	16 mm	33	2.60	85.80	1.62	139.00	
	12 mm	18	4.80	86.40	0.89	76.90	
	Total					**215.89**	
	2nd Main Dhanalakshmi Layout						
	16 mm	45	2.60	117.00	1.62	189.54	
	12 mm	18	6.60	118.80	0.89	105.73	
	Total					**295.27**	
	Culvert Grand Total					**511.16**	Kgs
						5292.46	Kgs
						5.29	Tonne
	Total					**5.29**	Tonne

Assistant Engineer
Ward No. 11, Byatarayanapura

A. K. Reddy

Assistant Executive Engineer
Kodigehalli Sub-Division
BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore